

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: PORTFOLIO

Report Number: P799378

Luminaire Tested: **LD6C15D010 EU6159035 6LBMDDWLI**

Issue Date: 4/12/2024



Test Information

Test Method: LM-79-08
Report Number: P799378
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2309-186-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/12/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: PORTFOLIO
Catalog Number: LD6C15D010 EU6159035 6LBMDDWLI
Description: 6 INCH 1500 LUMEN PORTFOLIO LED DOWNLIGHT WITH, 3500K, 90CRI LEDS
AND 6LBMDDW TRIM WITH LI FINISH
Light Source: -
Ballast/Driver: -

Summary

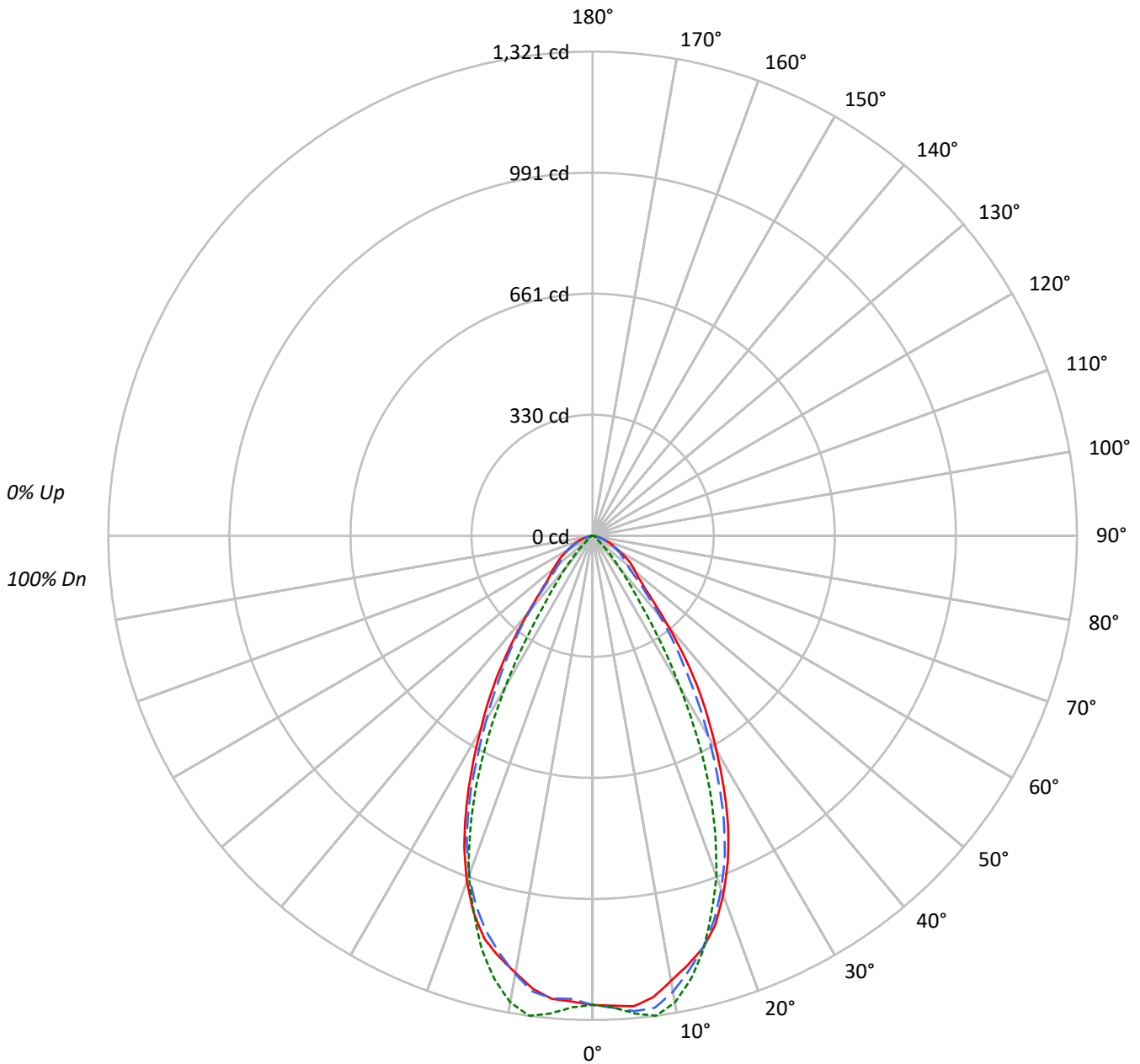
Lumens per Lamp: N/A
Luminaire Lumens: 1303.0 lumens
Efficiency: N/A
Efficacy: 82.5 lumens/watt
Spacing Criteria (0/90/45): 0.92 / 0.87 / 0.88
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 15.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

TEST NUMBER: P799378

CATALOG NUMBER: LD6C15D010 EU6159035 6LBMDDWLI

Luminous Intensity Polar Plot





TEST NUMBER: P799378

CATALOG NUMBER: LD6C15D010 EU6159035 6LBMDDWLI

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	89	79	73	68	87	78	72	68	76	71	67	75	70	66	73	69	66	64																			
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																			
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55																			
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51																			
9	71	61	55	50	70	60	54	50	59	54	50	58	53	50	58	53	50	48																			
10	68	57	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°
0°	70164	70164	70164
5°	70900	71973	69789
10°	68603	71970	67406
15°	66028	66283	64620
20°	60765	57574	58490
25°	52884	45402	49261
30°	42652	30163	38696
35°	33067	15553	29058
40°	22685	8058	19565
45°	15544	4039	13730
50°	12938	1723	11769
55°	11632	1491	10513
60°	9210	1425	8782
65°	7601	1271	7511
70°	6155	1154	6155
75°	4554	1250	4829
80°	2683	1042	2873
85°	2076	1258	2076



TEST NUMBER: P799378

CATALOG NUMBER: LD6C15D010 EU6159035 6LBMDDWLI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	9.3
10°-20°	319.8	24.5
20°-30°	365.0	28.0
30°-40°	242.1	18.6
40°-50°	116.7	9.0
50°-60°	71.8	5.5
60°-70°	43.5	3.3
70°-80°	18.3	1.4
80°-90°	4.1	0.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	806.6	61.9
0°-40°	1048.7	80.5
0°-60°	1237.2	94.9
0°-90°	1303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1303.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	1280	1280	1280	1280	1280	
5°	1288	1302	1308	1266	1268	121
15°	1163	1163	1168	1118	1139	324
25°	874	845	751	794	814	396
35°	494	436	232	406	434	306
45°	200	176	52	164	177	164
55°	122	99	16	99	110	107
65°	59	56	10	53	58	59
75°	22	22	6	20	23	23
85°	3	5	2	3	3	4
90°	0	0	0	0	0	



TEST NUMBER: P799378

CATALOG NUMBER: LD6C15D010 EU6159035 6LBMDDWLI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9	1279.9
2.5°	1283.1	1285.1	1289.0	1289.7	1287.7	1275.3	1264.9	1268.8	1272.1
5°	1288.4	1292.3	1302.0	1311.1	1307.9	1287.1	1266.2	1265.6	1268.2
7.5°	1269.5	1278.6	1298.8	1321.6	1320.9	1285.1	1254.5	1246.7	1246.7
10°	1232.4	1240.8	1263.0	1293.6	1292.9	1248.0	1214.1	1210.2	1210.9
12.5°	1199.2	1203.1	1214.1	1238.2	1238.2	1194.0	1167.9	1171.8	1177.0
15°	1163.4	1166.0	1163.4	1171.2	1167.9	1131.5	1118.4	1130.8	1138.6
17.5°	1112.6	1113.9	1100.2	1089.8	1077.4	1054.6	1057.9	1076.1	1078.1
20°	1041.6	1050.1	1025.3	998.7	986.9	965.5	983.7	1003.9	1002.6
22.5°	963.5	973.3	941.4	897.1	873.0	864.5	897.1	915.3	914.7
25°	874.3	881.5	845.0	783.2	750.6	749.3	794.2	813.1	814.4
27.5°	774.1	776.7	735.6	654.9	614.6	624.3	681.0	707.0	710.3
30°	673.8	672.5	630.2	529.9	476.5	503.2	579.4	608.0	611.3
32.5°	582.0	578.1	529.9	410.1	346.3	386.1	486.3	516.3	521.5
35°	494.1	487.6	435.5	303.4	232.4	291.7	406.2	432.3	434.2
37.5°	402.3	399.1	358.1	227.2	162.1	221.3	331.4	350.2	348.3
40°	317.0	317.0	283.2	168.6	112.6	164.7	262.4	279.3	273.4
42.5°	248.7	251.9	223.3	124.3	80.1	122.4	207.7	223.3	216.8
45°	200.5	200.5	175.8	92.4	52.1	91.1	164.1	178.4	177.1
47.5°	169.9	167.3	142.6	67.7	28.6	68.4	138.0	155.6	154.9
50°	151.7	147.8	122.4	53.4	20.2	56.6	121.1	137.4	138.0
52.5°	137.4	131.5	110.0	47.5	17.6	49.5	110.0	123.0	123.0
55°	121.7	118.5	99.0	42.3	15.6	44.3	99.0	110.7	110.0
57.5°	102.9	102.2	88.5	38.4	14.3	39.1	88.5	95.7	93.1
60°	84.0	86.6	76.8	34.5	13.0	35.2	75.5	81.4	80.1
62.5°	70.3	73.6	67.1	30.6	11.1	31.2	63.8	69.7	68.4
65°	58.6	61.2	56.0	26.0	9.8	26.0	52.7	57.9	57.9
67.5°	48.2	50.1	46.2	21.5	8.5	21.5	43.0	47.5	48.2
70°	38.4	39.7	36.5	16.9	7.2	17.6	33.9	38.4	38.4
72.5°	29.9	30.6	28.6	13.7	6.5	13.7	26.0	29.9	29.9
75°	21.5	22.8	21.5	10.4	5.9	10.4	20.2	22.1	22.8
77.5°	12.4	15.6	15.6	8.5	4.6	7.8	14.3	15.0	15.0
80°	8.5	9.8	11.1	5.9	3.3	5.9	9.1	9.8	9.1
82.5°	5.9	6.5	6.5	3.9	2.6	3.9	5.9	6.5	5.9
85°	3.3	4.6	4.6	3.3	2.0	2.6	3.3	3.9	3.3
87.5°	2.0	2.6	3.3	2.6	2.0	2.0	2.0	2.0	1.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-50001EG





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)